

**REMARKS**

1. In response to the final Office Action mailed August 8, 2003, Applicant respectfully requests reconsideration. Claims 1-29 and 44-65 were last presented for examination in this application. In the final Office Action, claims 1-29 and 44-65 were rejected. By the foregoing amendments, claims 1, 7, 16, 25, 29, 44, 53-54, 56, 57, 59, 60-62 and 64 have been amended. No claims have been added or canceled. Thus, claims 1-29 and 44-65 will be pending in this application after entry of this paper. These amendments are editorial in nature and in low way further limit the claims. Further, these amendments are believed not to introduce new matter and their entry is respectfully requested.
2. Based on the above Amendments and below Remarks, Applicant believes the application is in a condition for allowance, and therefore kindly requests reconsideration of the claims and withdraw of all objections and rejections, leading to allowance forthwith.

***Objections to the Drawing and Specification***

3. The Examiner has objected to the drawings and specification for failing to comply with 37 CFR 1.84 *et seq.* Regarding the drawing objections, all reference numerals noted by the Examiner as not being found in the Figures are indeed in the informal drawings filed with the application. To facilitate locating reference numerals, Applicant notes that the first one or two digits of a reference numeral identifies the Figure in which the reference numeral first appears. Because the reference numerals are in the figures, no amendments to the drawings or the specification have been made. Reconsideration and withdrawal of the drawing objections is respectfully requested. Regarding the objections to the specification based on the drawings, the specification has been amended to include the omitted reference numerals, thereby accommodating these objections. Withdrawal is, therefore, respectfully requested.
4. Applicant notes that informal drawings with red-lines were submitted as an attachment to the prior amendment. Applicant kindly requests that the Examiner indicate approval of such red-lines in the next official communication. Upon receiving such approval, and an indication that the above objections have been withdrawn, Applicant will submit corrected formal drawings.
5. In addition, the Examiner has objected to the specification for various informalities. The specification has been amended to correct the specification in accordance with the

Examiner's suggestions, thereby accommodating the objections. Withdrawal of these objections is, therefore, respectfully requested.

***Claim Objections and Rejections Under 35 USC 112, second paragraph***

6. The claims have been objected to and rejected under 35 USC 112, second paragraph due to various informalities. The claims have been amended in accordance with the Examiner's suggestions, thereby accommodating the objections and rejections. Applicant notes that claims 54, 57, 59, 60-62 and 64 do not recite the term "database" as alleged by the Examiner. Rather, the claims recite "data structure" for which antecedent basis can be found in claim 1. Withdrawal of these objections and rejections is, therefore, respectfully requested.

***Claim Rejections Under 35 USC §§ 102 & 103***

7. The Examiner has rejected the claims under 35 USC § 102 as being anticipated by U.S. Patent No. 5,222,028 to LaBarre et al. (hereinafter "LaBarre"). The Examiner also rejected claims under 35 USC § 103 as being unpatentable over U.S. Patent No. 5,003,248 to Johnson alone or in view of various secondary references. Applicant respectfully traverses these rejections.

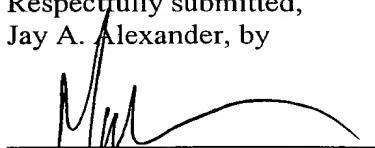
8. Neither LaBarre, Johnson or the other art of record disclose teach or suggest storing the results of pulse measurement(s) (referred to as pulse characteristics) in a searchable data structure as recited in Applicant's independent claims. Digital oscilloscopes routinely store the captured pulse data, and systems such as LaBarre's perform some measurements, as pointed out by the Examiner. However, the art of record neither discloses, teaches nor suggests Applicant's claimed combination which includes storing such pulse characteristics in a searchable database. For at least this reason, Applicant respectfully requests that the above rejections be reconsidered and withdrawn.

***Conclusion***

9. In view of the foregoing Amendments and Remarks, this application should now be in condition for allowance. A notice to this effect is respectfully requested. If the Examiner believes, after entering this paper into the record, that the application is not in condition for

allowance, the Examiner is requested to call the Applicant's representative at the number provided below.

Respectfully submitted,  
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Docket No. 10961066-1  
Dated: December 15, 2003